Annual index

Subject index

Acyrthosiphon pisum (Harris) (pea aphid), on alfalfa; economic injury levels and economic thresholds, 453

Additive genes in wheat for resistance to stripe (yellow) rust (*Puccinia* striiformis Westend.). SHARP, E.L. AND FUCHS, E., 181

Age of plant and levels of resistance to green leafhopper, Nephotettix virescens (Distant), and tungro virus in rice varieties, 91

Agroecosystems: vegetation management and biological control, 405

Analysis, genetic, of resistance to whitebacked planthopper, *Sogatella* furcifera (Horvath) in rice varieties, 289

Andraca bipunctata Walker: control on tea,

Aphid, pea, Acyrthosiphon pisum (Harris) on alfalfa: economic injury levels and economic thresholds, 453

Aphid, Sitobion avenae (F.): susceptibility and resistance of winter wheat in Britain, 431

Application, aerial, of herbicides with atomizers—ideal and available, 473

Application, aerial, of herbicides: determination of flight-lane separations, 309

Application, daily, of ULV insecticides at low dosages to control insect pests of cotton in Malawi, 213

Application of pesticides: new developments in technology, 131

Arable crops: perceptions of losses from pests, by farmers in England and New Zealand, 283

Atomizers for the aerial application of herbicides—ideal and available. SPILLMAN, J., 473

Australia, Western: use of reflective mulch to reduce incidence of watermelon mosaic virus, 491 Barley brown rust, *Puccinia hordei* Otth: control by benodanil and oxycarboxin in the field, and the effects on yield, 299

Barley leaf stripe, *Drechslera graminea* (Rabenh. et Schlecht.) Shoemaker, control with fungicides: effect of chlormequat seed treatment, 369

Bean, pinto: dimethyl sulfoxide as a protectant against ozone injury, 235

Benodanil and oxycarboxin to control barley brown rust, *Puccinia hordei* Otth, in the field: effects on yield, 299

Biological control of Carduus thistles: Ceutorhynchus trimaculatus F. as a candidate, 67

Biological control and vegetation management in agroecosystems, 405

Birds, grain-eating: efficacy of nets and fibres for crop protection, 55

Bollworms, cotton: control with fenvalerate in India, 231

Bollworm, pink, of cotton (Pectinophora gossypiella (Saunders)): male moth catches in gossyplure-baited traps and relationships to oviposition, boll infestation and moth emergence, 497

Botrytis cinerea Pers.: resistance to dicarboximide fungicides—a literature review, 221

Britain: susceptibility of winter wheat to the aphid Sitobion avenae (F.), 431

Brown planthopper (Nilaparvata lugens (Stål)): colonization of rice fields and control using a trap crop, 191

Carbendazim resistance of *Pseudo-cercosporella herpotrichoides* (Fron)
Deighton: long-term field experiment, five years' results, 165

Carduus thistles: biological control by Ceutorhynchus trimaculatus F., 67

- Catches of male moths of pink bollworm of cotton, Pectinophora gossypiella (Saunders) in gossyplure-baited traps and relationships to oviposition, boll infestation and moth emergence, 497
- Cercosporella herpotrichoides Fron, see Pseudocercosporella herpotrichoides (Fron) Deighton
- Cereal cyst nematode, Heterodera avenae Woll.: natural control by soil fungi, 99
- Ceutorhynchus trimaculatus F: biological control of Carduus thistles, 67
- Chemical control of weeds in transplanted tomatoes in Saudi Arabia. TRABULSI, I.Y. AND ABUL-HAYJA, ZAYDAN, 465
- China: forest entomology, 359
- Chlormequat seed treatment: effect on fungicidal control of barley leaf stripe, Drechslera graminea (Rabenh. et Schlecht.) Shoemaker, 369
- Coffee rust—epidemiology and control. WALLER, J.M., 385
- Colonization of rice fields by Nilaparvata lugens (Stål) and its control using a trap crop. SAXENA. R.C., 191
- Control of barley brown rust, *Puccinia*hordei Otth, by benodanil and
 oxycarboxin in the field and the effects
 on yield. UDEOGALANYA, A.C.C. AND
 CLIFFORD, B.C., 299
- Control of cotton bollworms with fenvalerate in India. Agnihothrudu, V. and Gour, T.B., 231
- Costa Rica: potential for incorporating herbicides into a mulch farming system, 441
- Cotton boll infestation by pink bollworm of cotton, *Pectinophora gossypiella* (Saunders) and male moth catches in gossyplure-baited traps: relationships to oviposition and moth emergence, 497
- Cotton bollworms: control with fenvalerate in India, 231
- Cotton, insect pests in Malawi: control with daily application of ULV insecticides at low dosages, 213
- Cotton, spray coverage by the 'Electrodyn' sprayer: first studies, 27
- Crop losses (arable) from pests: farmers' perceptions in England and New Zealand, 283
- Crop losses caused by viruses. Bos, L., 263

- Cyst nematode, cereal (*Heterodera avenae* Woll.): natural control by soil fungi,
- Cyst nematode, potato (Globodera rostochiensis (Wollenweber) Behrens Ro1): effects of infestation on the growth of four potato cultivars, 169
- Daily application of ultra-low-volume (ULV) insecticides at low dosages to control insect pests of cotton in Malawi. Nyirenda, G.K.C., 213
- Decision-analysis approach to integrated pest control. NORTON, G.A., 147
- Delia coarctata Fall. (wheat bulb fly) larvae, control with insecticidal seed coatings and granular and spray soil treatments: phytotoxicity to grain yields, 83
- Determination of flight-lane separations for the aerial application of herbicides. PARKIN, C.S. AND WYATT, J.C., 309
- Development and use of models describing outbreaks of resistance to fungicides. SKYLAKAKIS, G., 249
- Dicarboximide fungicides: resistance of Botrytis cinerea Pers.—a literature review, 221
- Dimethyl sulfoxide (dimethyl sulphoxide) as a protectant against ozone injury to pinto bean. WEIDENSAUL, T. CRAIG,
- Distribution, seasonal, and occurrence of leafhopper vectors of X-disease causal agent in methoxychlor-sprayed and unsprayed peach orchards, 333
- Downy mildew, sorghum (Peronosclerospora sorghi (Weston & Uppal) C.G. Shaw): heritability of resistance in maize, 323
- Drechslera graminea (Rabenh. et Schlecht.) Shoemaker (barley leaf stripe), control with fungicides: effect of chlormequat seed treatment, 369
- Early screening of tomatoes for monogenic and polygenic resistance to *Fusarium* wilt, 341
- Economic injury levels and economic thresholds for pea aphid, Acyrthosiphon pisum (Harris), on alfalfa. CUPERUS, G. W., RADCLIFFE, E.B., BARNES, D.K. AND MARTEN, G.C., 453

- Effect of seed treatment with chlormequat on the control of barley leaf stripe, *Drechslera graminea* (Rabenh. et Schlecht.) Shoemaker, with fungicides. KOVACS, A.I.. 369
- Effects of infestation with Globodera rostochiensis (Wollenweber) Behrens Rol on the growth of four potato cultivars. Evans, K., 169
- Efficacy of nets and fibres for protecting crops from grain-eating birds in Africa. RUPPEL, E.G. AND HECKER, R.J., 55
- 'Electrodyn' sprayer: first studies of spray coverage in cotton. Morton, Neil., 27
- England, and New Zealand: farmers' perceptions of losses from pests of arable crops, 283
- Entomology, in Chinese forests, 359
 Epidemiology and control of coffee rust,
- 385
 Eyespot fungus of wheat (Pseudo-
- cercosporella herpotrichoides (Fron)
 Deighton: carbendazim resistance, five
 years' results from a long-term field
 experiment, 165
- Factors affecting early screening of tomatoes for monogenic and polygenic resistance to Fusarium wilt. CIRULLI, M. AND CICCARESE, F., 341
- Farmers' perceptions of losses from pests of arable crops, in England and New Zealand, 283
- Fenvalerate, for control of cotton bollworms in India, 231
- Fibres and nets: efficacy for protecting crops from grain-eating birds in Africa. 55
- Five years' results from a long-term field experiment on carbendazim resistance of *Pseudocercosporella herpotrichoides* (Fron) Deighton. FEHRMANN, H., HORSTEN, J. AND SIEBRASSE, G., 165
- Flight-lane separations: determination for aerial application of herbicides, 309
- Forest entomology in China—a general review. HSIAO KANG-JOU, 359
- Fungi, soil, in natural control of cereal cyst nematode *Heterodera avenae* Woll., 99
- Fungicides to control barley leaf stripe, Drechslera graminea (Rabenh. et

- Schlecht.) Shoemaker, and effect of chlormequat seed treatment, 369
- Fungicides, resistance to: development and use of models describing outbreaks, 249
- Further tests on Ceutorhynchus trimaculatus F. as a candidate for the biological control of Carduus thistles. Kok, L.T., McAvoy, T.J., Johnson, G.R and Dunn, P.H., 67
- Fusarium wilt: factors affecting early screening of monogenic and polygenic resistance in tomatoes, 341
- Genes, additive, in wheat for resistance to stripe (yellow) rust (*Puccinia* striiformis Westend.), 181
- Genes, new, for resistance to green leafhopper (Nephotettix virescens (Distant)) in rice, 483
- Genetic analysis of resistance to whitebacked planthopper, Sogatella furcifera (Horvath) in some rice varieties. SAINI, R.S., KHUSH, G.S. AND HEINRICHS, E.A., 289
- Globodera rostochiensis (Wollenweber)
 Behrens Rol: effects of infestation on growth of four potato cultivars, 169
- Gossyplure-baited traps: catches of male moths of pink bollworm of cotton, *Pectinophora gossypiella* (Saunders) and relationships to ovipositon, boll infestation and moth emergence. 497
- Grain-eating birds in Africa: efficacy of nets and fibres for protecting crops, 55
- Grain yields: phytotoxicity of insecticidal seed coatings and granular and spray soil treatments, in field experiments on the control of larvae of wheat bulb fly (Delia coarctata Fall.), 83
- Green leafhopper, Nephotettix virescens
 (Distant): new resistance genes in rice,
- Green leafhopper, Nephotettix virescens
 (Distant) and tungro virus: plant age
 and levels of resistance in rice
 varieties, 91
- Hemileia sp. (coffee rust): epidemiology and control, 385

Hemp: control of *Rhizoctonia* seedling disease, 111

Herbicide application, aerial: with atomizers, ideal and available, 473

Herbicide application, aerial: determination of flight-lane separations, 309

Herbicides, potential for incorporation into a mulch farming system in Costa Rica, 441

Heritability of resistance in maize to sorghum downy mildew (*Perono-sclerospora sorghi* (Weston & Uppal) C.G. Shaw). SINGBURAUDOM, NARONG AND RENFRO, B.L. 323

Heterodera avenae Woll. (cereal cyst nematode): natural control by soil fungi, 99

Increased severity of Rhizoctonia root rot in sugar beet treated with systemic insecticides. RUPPEL, E.G. AND HECKER, R.J., 75

India: control of cotton bollworms with fenvalerate, 231

Injury levels, economic, and economic thresholds for pea aphid, Acyrthosiphon pisum (Harris) on alfalfa, 453

Injury, ozone, to pinto bean: dimethyl sulfoxide as a protectant, 235

Insecticidal seed coatings and granular spray soil treatments: phytotoxicity to grain yields in field experiments on the control of larvae of wheat bulb fly (Delia coarctata Fall.), 83

Insecticides, systemic, and increased severity of *Rhizoctonia* root rot in sugar beet, 75

Insecticides, ULV, daily application at low dosages to control insect pests of cotton in Malawi, 213

Insect pests of cotton in Malawi: control with daily application of ULV insecticides at low dosages, 213

Integrated pest control: a decision-analysis approach, 147

Integrated pest management: perspectives,

Leaf stripe, barley (*Drechslera graminea* (Rabenh. et Schlecht.) Shoemaker), control with fungicides: effect of chlormequat seed treatment, 369

Leafhopper, green (Nephotettix virescens (Distant)): new resistance genes in rice, 483

Leafhopper, green (Nephotettix virescens (Distant)) and tungro virus: plant age and levels of resistance in rice varieties. 91

Leafhopper vectors of X-disease causal agent in methoxychlor-sprayed and unsprayed peach orchards: occurrence and seasonal distribution, 333

Losses, crop, caused by viruses, 263 Losses, from pests of arable crops: farmers' perceptions in England and New Zealand, 283

Macrosiphum avenae, see Sitobion avenae Maize, heritability of resistance to sorghum downy mildew (Peronosclerospora sorghi (Weston & Uppal) C.G. Shaw, 323

Malawi: control of insect pests of cotton with daily application of ULV insecticides at low dosages, 213

Methoxychlor-sprayed and unsprayed peach orchards: occurrence and seasonal distribution of leafhopper vectors of X-disease causal agent, 333

Methyl bromide fumigated soil: prevention, with Trichoderma harzianum Rifai aggr., of reinfestation by Sclerotium rolfsii Sacc. and Rhizoctonia solani Kühn, and improvement of disease control in tomatoes and peanuts, 199

Models describing outbreaks of resistance to fungicides: development and use,

Monogenic resistance to Fusarium wilt in tomatoes: factors affecting early screening, 341

Moth of pink bollworm of cotton,

Pectinophora gossypiella (Saunders):
catches of males in gossyplure-baited
traps and relationships to oviposition,
boll infestation and moth emergence,
497

Mulch farming system in Costa Rica: potential for incorporating herbicides, 441

Mulch, reflective, to reduce incidence of watermelon mosaic virus in Western Australia, 491.

Natural control of the cereal cyst nematode, Heterodera avenae Woll., by soil fungi at three sites. Kerry, B.R., Crump, D.H. AND MULLEN, L.A., 99

Nephotettix virescens (Distant) (green leafhopper) and tungro virus: plant age and levels of resistance in rice varieties, 91

Nets and fibres: efficacy for protecting crops from grain-eating birds in Africa, 55

New developments in pesticide-application technology. MATTHEWS, G.A., 131

New genes for resistance to green leafhopper, Nephotettix virescens (Distant) in rice, Oryza sativa L. KARIM, A.N.M. REZAUL AND PATHAK, M.D., 483

New Zealand and England: farmer's perceptions of losses from pests of arable crops, 283

Nilaparvata lugens (Stål): colonization of rice fields and control using a trap crop, 191

Occurrence and seasonal distribution of leafhopper vectors of the X-disease causal agent in methoxychlor-sprayed and unsprayed peach orchards. LACY, GEORGE H., 333

Oviposition of moth of pink bollworm of cotton, Pectinophora gossypiella (Saunders) and male moth catches in gossyplure-baited traps: relationships to boll infestation and moth emergence, 497

Oxycarboxin and benodanil to control barley brown rust (*Puccinia hordei* Otth) in the field, and effects on yield, 200

Ozone injury to pinto bean: dimethyl sulfoxide as a protectant, 235

Pea aphid, Acyrthosiphon pisum (Harris), on alfalfa: economic injury levels and economic thresholds, 453

Peach orchards, methoxychlor-sprayed and unsprayed: occurrence and seasonal distribution of leafhopper vectors of X-disease causal agent, 333

Peanuts and tomatoes, improvement of disease control, and prevention, with Trichoderma harzianum Rifai aggr., of reinfestation by Sclerotium rolfsii Sacc. and Rhizoctonia solani Kühn of soil fumigated with methyl bromide, 199

Pectinophora gossypiella (Saunders) (pink bollworm of cotton): male moth catches in gossyplure-baited traps and relationships to oviposition, boll infestation and moth emergence, 497

Perceptions of losses from pests of arable crops by some farmers in England and New Zealand. Mumford, J.D., 283

Peronosclerospora sorghi (Weston & Uppal) C.G. Shaw (sorghum downy mildew): heritability of resistance in maize, 323

Perspectives of integrated pest management. PIMENTEL, DAVID, 5

Pest control, integrated: decision-analysis approach, 147

Pest management, integrated: perspectives, 5

Pesticide toxicity to *Trichoderma viride* Pers., 349

Pesticide-application technology: new developments, 131

Pests of arable crops: perceptions of losses by farmers in England and New Zealand, 283

Phytotoxicity of insecticidal seed coatings and granular and spray soil treatments to grain yields in field experiments on the control of larvae of wheat bulb fly (Delia coarctata Fall.) McKinlay, R.G., 83

Pink bollworm of cotton (Pectinophora gossypiella (Saunders)): male moth catches in gossyplure-baited traps and relationships to oviposition, boll infestation and moth emergence.

HENNEBERRY, I.J. AND CLAYTON, T.E., 497

Pinto bean: dimethyl sulfoxide as a protectant against ozone injury, 235

Plant age and levels of resistance to green leafhopper, Nephotettix virescens (Distant) and tungro virus in rice varieties. RAPUSAS, H.R. AND HEINRICHS, E.A., 91

Planthopper, brown (Nilaparvata lugens (Stål)): colonization of rice fields and control using a trap crop, 191

Planthopper, whitebacked (Sogatella furcifera (Horvath)): genetic analysis of resistance in rice varieties, 289

- Polygenic and monogenic resistance to Fusarium wilt in tomatoes: factors affecting early screening, 341
- Potato cultivars: effects of infestation with Globodera rostochiensis (Wollenweber) Behrens Rol on growth, 169
- Potato cyst nematode (Globodera rostochiensis (Wollenweber) Behrens Rol): effects of infestation on the growth of four potato cultivars, 169
- Potential for incorporating herbicides into a mulch farming system in Costa Rica. Conklin, Frank S., McCarty, Thomas V. and Miller, Stanley F., 441
- Prevention, with Trichoderma harzianum
 Rifai aggr., of reinfestation by Sclerotium rolfsii Sacc. and Rhizoctonia
 solani Kühn of soil fumigated with
 methyl bromide, and improvement of
 disease control in tomatoes and
 peanuts. ELAD, Y., HADAR, Y., CHET,
 I. AND HENIS, Y., 199
- Pseudocercosporella herpotrichoides (Fron)
 Deighton carbendazim resistance: five
 years' results from a long-term field
 experiment. 165
- Puccinia hordei Otth (barley brown rust): control by benodanil and oxycarboxin in the field and effects on yield, 299
- Puccinia striiformis Westend. (stripe or yellow rust): additive resistance genes in wheat, 181
- Reflective mulch, to reduce incidence of watermelon mosaic virus in Western Australia, 491
- Resistance of *Botrytis cinerea* Pers. to dicarboximide fungicides—a literature review. Pommer, E.-H. AND LORENZ, G., 221
- Resistance to carbendazim of *Pseudo-cercosporella herpotrichoides* (Fron)
 Deighton: five years' results from a long-term field experiment, 165
- Resistance to fungicide: development and use of models describing outbreaks, 249
- Resistance to green leafhopper, Nephotettix virescens (Distant): new genes in rice, 483
- Resistance to green leafhopper, Nephotettix virescens (Distant) and tungro virus:

- plant age and resistance levels in rice varieties, 91
- Resistance to sorghum downy mildew, Peronosclerospora sorghi (Weston & Uppal) C.G. Shaw: heritability in maize, 323
- Resistance, monogenic and polygenic, to Fusarium wilt in tomatoes: factors affecting early screening, 341
- Resistance to stripe (yellow) rust (*Puccinia* striiformis Westend.): additive genes in wheat, 181
- Resistance and susceptibility of winter wheat to the aphid *Sitobion avenae* (F.) in Britain, 431
- Resistance to whitebacked planthopper, Sogatella furcifera (Horvath) in rice varieties: genetic analysis, 289
- Rhizoctonia root rot: increased severity in sugar beet treated with systemic insecticides, 75
- Rhizoctonia seedling disease of hemp and its control. AL-BELDAWI, A.S., JAWAD, AFFAF AND SHEIK-RADDY, H.M., 111
- Rhizoctonia solani Kühn and Sclerotium rolfsii Sacc.: prevention, with Trichoderma harzianum Rifai aggr., of reinfestation of soil fumigated with methyl bromide, and improvement of disease control in tomatoes and peanuts. 199
- Rice fields: colonization by Nilaparvata lugens (Stål) and its control using a trap crop, 191
- Rice: new genes for resistance to green leafhopper, Nephotettix virescens (Distant), 483
- Rice varieties, plant age and levels of resistance to green leafhopper, Nephotettix virescens (Distant), and tungro virus, 91
- Rice varieties, resistance to whitebacked planthopper, Sogatella furcifera (Horvath): genetic analysis, 289
- Root rot, *Rhizoctonia:* increased severity in sugar beet treated with systemic insecticides, 75
- Rust, barley brown (*Puccinia hordei* Otth), control by benodanil and oxycarboxin in the field: effects on yield, 299
- Rust, coffee (*Hemileia* sp.): epidemiology and control, 385

- Rust, stripe (yellow), Puccinia striiformis Westend.: additive resistance genes in wheat, 181
- Saudi Arabia: chemical control of weeds in transplanted tomatoes, 465
- Sclerotium rolfsii Sacc. and Rhizoctonia solani Kühn: prevention, with Trichoderma harzianum, of reinfestation of soil fumigated with methyl bromide, and improvement of disease control in tomatoes and peanuts, 199

Screening, early, of tomatoes, for monogenic and polygenic resistance to Fusarium wilt, 341

- Seed coatings, insecticidal, and granular and spray soil treatments: phytotoxicity to grain yields in field experiments on the control of larvae of wheat bulb fly (*Delia coarctata* Fall.), 83
- Seed treatment with chlormequat: effect on fungicidal control of barley leaf stripe, *Drechslera graminea* (Rabenh. et Schlecht.) Shoemaker, 369
- Sitobion avenae (F.): susceptibility and resistance of winter wheat in Britain, 431
- Sogatella furcifera (Horvath) (whitebacked planthopper): genetic analysis of resistance in rice varieties, 289
- Soil fungi: natural control of cereal cyst nematode, Heterodera avenae Woll., 99
- Soil treatments (granular and spray) and insecticidal seed coatings: phytotoxicity to grain yields in field experiments on the control of larvae of wheat bulb fly (Delia coarctata Fall.), 83
- Some observations on susceptibility and resistance of winter wheat to the aphid Sitobion avenae (F.) in Britain. Lowe, H.J.B., 431
- Sorghum downy mildew, Peronosclerospora sorghi (Weston and Uppal) C.G. Shaw: heritability of resistance in maize, 323
- Sprayer, 'Electrodyn': first studies of spray coverage in cotton, 27
- Strategy for the control of Andraca bipunctata Walker on tea. BANERJEE, BARUNDEB, 115

- Stripe (yellow) rust (*Puccinia striiformis*Westend.): additive resistance genes in wheat, 181
- Sugar beet: increased severity of Rhizoctonia root rot when treated with systemic insecticides, 75
- Susceptibility and resistance of winter wheat to the aphid Sitobion avenue (F.) in Britain, 431
- Systemic insecticides and increased severity of *Rhizoctonia* root rot in sugar beet, 75
- Tea: control of Andraca bipunctata Walker,
- Technology, pesticide-application: new developments, 131
- Thistles, Carduus: biological control by Ceutorhynchus trimaculatus F., 67
- Tomatoes: factors affecting early screening for monogenic and polygenic resistance to *Fusarium* wilt, 341
- Tomatoes and peanuts: improvement of disease control, and prevention, with *Trichoderma harzianum* Rifai aggr., of reinfestation by *Sclerotium rolfsii* Sacc. and *Rhizoctonia solani* Kühn of soil fumigated with methyl bromide, 199
- Tomatoes, transplanted: chemical control of weeds in Saudi Arabia, 465
- Toxicity of some pesticides to *Trichoderma* viride Pers. BAICU, T., 349
- Trap crop for control of colonization of rice fields by Nilaparvata lugens (Stål), 191
- Trichoderma harzianum Rifai aggr. for prevention of reinfestation by Sclerotium rolfsii Sacc. and Rhizoctonia solani Kühn of soil fumigated with methyl bromide, and improvement of disease control in tomatoes and peanuts, 199
- Trichoderma viride Pers. and toxicity of some pesticides, 349
- Tungro virus and green leafhopper (Nephotettix virescens (Distant)): plant age and levels of resistance in rice varieties, 91
- Ultra-low-volume (ULV) insecticides: daily application at low dosage to control insect pests of cotton in Malawi, 213

- Use of reflective mulch to reduce the incidence of watermelon mosaic virus in Western Australia. McLean, G.D., Burt, J.R., Thomas D.W. and Sproul, A.N., 491
- Vectors, leafhopper, of X-disease causal agent in methoxychlor-sprayed and unsprayed peach orchards: occurrence and seasonal distribution, 333

Vegetation management and biological control in agroecosystems. ALTIERI, MIGUEL A. AND LETOURNEAU, DEBORAH K., 385

Viruses, causing crop losses, 263
Virus, tungro and green leafhopper,
Nephotettix virescens (Distant): plant
age and levels of resistance in rice
varieties. 91

Virus, watermelon mosaic: use of reflective mulch to reduce incidence in Western Australia, 491

Watermelon mosaic virus: use of reflective mulch to reduce incidence in Western Australia, 491

Weeds: chemical control in transplanted tomatoes in Saudi Arabia, 465

Wheat: additive genes for resistance to stripe (yellow) rust, Puccinia striiformis Westend., 181

Wheat bulb fly (Delia coarctata Fall.)
larvae: experiments on control with
insecticidal seed coatings and granular
and spray soil treatments; phytotoxicity to grain yields, 83

Wheat eyespot fungus, Pseudocercosporella herpotrichoides (Fron) Deighton, and carbendazim resistance, 165

Wheat, winter: susceptibility and resistance to the aphid *Sitobion avenae* (F.) in Britain, 431

Whitebacked planthopper, Sogatella furcifera (Horvath): genetic analysis of resistance in rice varieties, 289

X-disease causal agent: occurrence and seasonal distribution of leafhopper vectors in methoxychlor-sprayed and unsprayed peach orchards, 333

Yellow (stripe) rust, *Puccinia striiformis*Westend.: additive resistance genes in wheat. 181

Yield effects of oxycarboxin and benodanil to control barley brown rust, *Puccinia* hordei Otth in the field, 299

Yields, grain, and phytotoxicity of insecticidal seed coatings and granular and spray soil treatments in field experiments on the control of larvae of wheat bulb fly (*Delia coarctata* Fall.), 83

Author index

ABUL-HAYJA, ZAYDAN, see TRABULSI, I.Y. AND ABUL-HAYJA, ZAYDAN.

AGNIHOTHRUDU, V. AND GOUR, T.B.: Control of cotton bollworms with fenvalerate in India, 231

AL-BELDAWI, A.S., JAWAD, AFFAF AND SHEIK-RADDY, H.M.: Rhizoctonia seedling disease of hemp and its control, 111

ALTIERI, MIGUEL A. AND LETOURNEAU, DEBORAH K.: Vegetation management and biological control in agroecosystems, 405

BAICU, T.: Toxicity of some pesticides to Trichoderma viride Pers., 349

Banerjee, Barundeb: A strategy for the control of *Andraca bipunctata* Walker on tea, 115 Barnes, D.K., see Cuperus, G.W. et al.
Bos, L.: Crop losses caused by viruses, 263
Bruggers, Richard L. and Ruelle,
Philippe: Efficacy of nets and fibres
for protecting crops from grain-eating
birds in Africa, 55

BURT, J.R., see McLEAN, G.D. et al.

CHET, I., see ELAD, Y. et al. CICCARESE, F., see CIRULLI, M. AND CICCARESE, F.

CIRULLI, M. AND CICCARESE, F.: Factors affecting early screening of tomatoes for monogenic and polygenic resistance to Fusarium wilt, 341

CLAYTON, T.E., see HENNEBERRY, T.J. AND CLAYTON, T.E.

CLIFFORD, B.C., see UDEOGALANYA, A.C.C.
AND CLIFFORD, B.C.

CONKLIN, FRANK S., MCCARTY, THOMAS V. AND MILLER, STANLEY F.: The potential for incorporating herbicides into a mulch farming system in Costa Rica, 441

CRUMP, D.H. see KERRY, B.R. et al.
CUPERUS, G.W., RADCLIFFE, E.B., BARNES,
D.K. AND MARTEN, G.C.: Economic
injury levels and economic thresholds
for pea aphid, Acyrthosiphon pisum
(Harris) on alfalfa, 453

DUNN, P.H., see Kok, L.T. et al.

ELAD, Y., HADAR, Y., CHET, I. AND HENIS, Y.: Prevention, with Trichoderma harzianum Rifai aggr., of reinfestation by Sclerotium rolfsii Sacc. and Rhizoctonia solani Kühn of soil fumigated with methyl bromide, and improvement of disease control in tomatoes and peanuts, 199

EVANS, K.: Effects of infestation with Globodera rostochiensis (Wollenweber) Behrens Rol on the growth of four potato cultivars, 169

FEHRMANN, H., HORSTEN, J. AND SIEBRASSE, G.: Five years' results from a long-term field experiment on carbendazim resistance of *Pseudocercosporella herpotrichoides* (Fron) Deighton, 165 FUCHS, E., see SHARP, E.L. AND FUCHS, E.

Gour, T.B., see Agnihothrudu, V. and Gour, T.B.

HADAR, Y., see ELAD, Y. et al. HECKER, R.J., see RUPPEL, E.G. AND HECKER, R.J.

HEINRICHS, E.A., see RAPUSAS, H.R. AND HEINRICHS, E.A. and SAINI, RAVINDER S. et al.

HENIS, Y., see ELAD, Y. et al.

Henneberry, T.J. and Clayton, T.E.:
Pink bollworm of cotton (*Pectinophora gossypiella* (Saunders): male moth catches in gossyplure-baited traps and relationships to oviposition, boll infestation and moth emergence, 497

HORSTEN, J., see FEHRMANN, H. et al. HSIAO KANG-JOU: Forest entomology in China—a general review, 359 JAWAD, AFFAF, see AL-BELDAWI, A.S. et al. JOHNSON, G.R., see KOK, L.T. et al.

KARIM, A.N.M. REZAUL AND PATHAK, M.D.: New genes for resistance to green leafhopper, Nephotettix virescens (Distant) in rice, Oryza sativa L., 483

KERRY, B.R., CRUMP, D.H. AND MULLEN, L.A.: Natural control of the cereal cyst nematode, *Heterodera avenae* Woll., by soil fungi at three sites, 99

KHUSH, G.S., see SAINI, RAVINDER S. et al.
KOK, L.T., McAVOY, T.J., JOHNSON, G.R.
AND DUNN, P.H.: Further tests on
Ceutorhynchus trimaculatus F. as a
candidate for the biological control of
Carduus thistles, 67

Kovacs, A.I.: The effect of seed treatment with chlormequat on the control of barley leaf stripe, *Drechslera graminea* (Rabenh. et Schlecht.) Shoemaker, with fungicides, 369

LACY, GEORGE H.: Occurrence and seasonal distribution of leafhopper vectors of the X-disease causal agent in methoxychlor-sprayed and unsprayed peach orchards, 333

LETOURNEAU, DEBORAH K., see ALTIERI, MIGUEL A. AND LETOURNEAU, DEBORAH K.

LORENZ, G., see POMMER, E.-H. AND LORENZ, G.

Lowe, H.J.B.: Some observations on susceptibility and resistance of winter wheat to the aphid *Sitobion avenae* (F.) in Britain, 431

McAvoy, T.J., see Kok, L.T. et al. McCarthy, Thomas V., see Conklin, Frank S. et al.

McKinlay, R.G.: Phytotoxicity of insecticidal seed coatings and granular and spray soil treatments to grain yields in field experiments on the control of larvae of wheat bulb fly (Delia coarctata Fall.), 83

McLean, G.D., Burt, J.R., Thomas, D.W. and Sproul, A.N.: The use of reflective mulch to reduce the incidence of watermelon mosaic virus in Western Australia, 491

MARTEN, G.C., see CUPERUS, G.W. et al.

- MATTHEWS, G.A.: New developments in pesticide-application technology, 131
- MILLER, STANLEY F., see CONKLIN, FRANK S. et al.
- MORTON, NEIL: The 'Electrodyn' sprayer: first studies of spray coverage in cotton, 27
- MULLEN, L.A., see KERRY, B.R. et al.
- Mumford, J.D.: Perceptions of losses from pests of arable crops by some farmers in England and New Zealand, 283
- Norton, G.A.: A decision-analysis approach to integrated pest control, 147
- NYIRENDA, G.K.C.: Daily application of ultra-low-volume (ULV) insecticides at low dosages to control insect pests of cotton in Malawi, 213
- PARKIN, C.S. AND WYATT, J.C.: The determination of flight-lane separations for the aerial application of herbicides, 309
- PATHAK, M.D. see KARIM, A.N.M. REZAUL AND PATHAK, M.D.
- Pommer, E.-H. and Lorenz, G.: Resistance of *Botrytis cinerea* Pers. to dicarboximide fungicides—a literature review, 221
- PIMENTEL, DAVID: Perspectives of integrated pest management, 5
- RADCLIFFE, E.B., see CUPERUS, G.W. et al.
 RAPUSAS, H.R. AND HEINRICHS, E.A.: Plant
 age and levels of resistance to green
 leafhopper, Nephotettix virescens
 (Distant), and tungro virus in rice
 varieties, 91
- RENFRO, B.L., see SINGBURAUDOM, NARONG AND RENFRO, B.L.
- RUELLE, PHILIPPE, see BRUGGERS, RICHARD L. AND RUELLE, PHILLIPPE
- RUPPEL, E.G. AND HECKER, R.J.: Increased severity of *Rhizoctonia* root rot in sugar beet treated with systemic insecticides, 75

- SAINI, RAVINDER S., KHUSH, G.S. AND HEINRICHS, E.A.: Genetic analysis of resistance to whitebacked planthopper, Sogatella furcifera (Horvath), in some rice varieties, 289
- SAXENA, R.C.: Colonization of rice fields by Nilaparvata lugens (Stål) and its control using a trap crop, 191
- SHARP, E.L. AND FUCHS, E.: Additive genes in wheat for resistance to stripe (yellow) rust (*Puccinia striiformis* Westend.), 181
- SHEIK-RADDY, H.M., see AL-BELDAWI, A.S. et al.
- SIEBRASSE, G., see FEHRMANN, H. et al.
- SINGBURAUDOM, NARONG AND RENFRO, B.L.: Heritability of resistance in maize to sorghum downy mildew (Peronosclerospora sorghi (Weston & Uppal) C.G. Shaw), 323
- SKYLAKAKIS, G.: The development and use of models describing outbreaks of resistance to fungicides, 249
- SPILLMAN, JOHN: Atomizers for the aerial application of herbicides—ideal and available, 473
- SPROUL, A.N., see McLean, G.D. et al.
- THOMAS, D.W., see McLean, G.D. et al. TRABULSI, I.Y. AND ABUL-HAYJA, ZAYDAN: Chemical control of weeds in transplanted tomatoes in Saudi Arabia, 465
- UDEOGALANYA, A.C.C. AND CLIFFORD, B.C.: Control of barley brown rust, Puccinia hordei Otth, by benodanil and oxycarboxin in the field and the effects on yield, 299
- WALLER, J.M.: Coffee rust—epidemiology and control, 385
- WEIDENSAUL, T. CRAIG: Dimethyl sulfoxide (dimethyl sulphoxide) as a protectant against ozone injury to pinto bean, 235
- WYATT, J.C., see PARKIN, C.S. AND WYATT, J.C.

